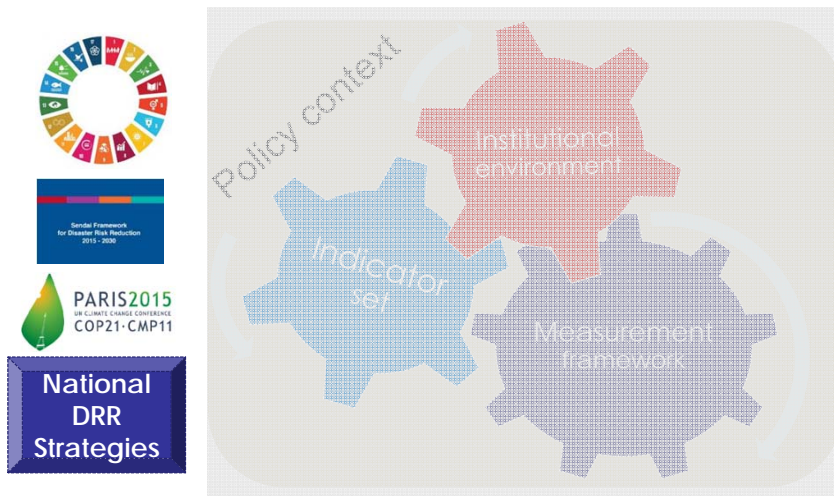


Aim



Disaster-Related Statistics Framework (DRSF)

Process

Expert group: Official statisticians & disaster information experts

Improvements to data & knowledge on disaster risk and disaster impacts

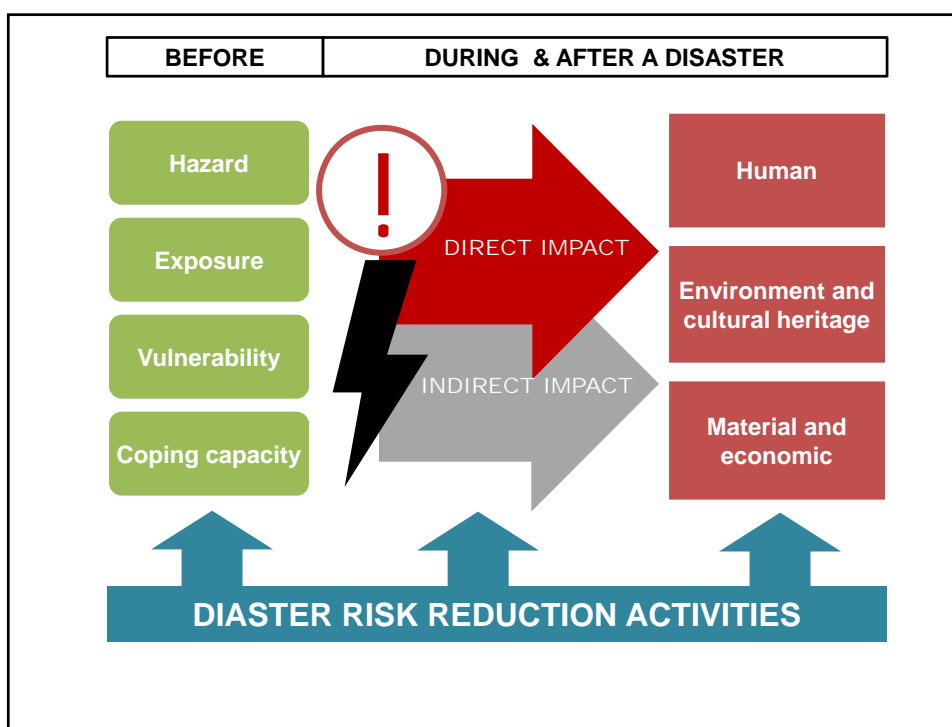
harmonization of methods

Bridging disaster and risk management with socio-economic statistics

Result

- Key concepts for measurement
 - Occurrence and risks
 - Impacts
 - DRR activities
- Guidelines for implementation
 - Implementation steps
 - Basic range of data and statistics (tables)
 - Definitions and classifications
 - Collection and analysis of statistics in the DRM cycle

Link to [DRSE](#)



Disaster risk assessment

Risk = f(Exposure, Vulnerability, Coping Capacity)



* Each element is measurable and NSOs/official data have a crucial role to play

Hazard ↔ Exposure

Data mostly from mapping and environment agencies:

- Digital Elevation model (DEM)
- Land cover; built-up areas; soil data;
- Footprint of historical hazards
- Etc.

Data mostly from NSOs:

- Population (no. or density) by location
- Basic demographic and social data (for geo disaggregation)
- Housing data
- Admin data on schools, hospitals, tourism, etc.
- Economic activity (e.g. 'heat map')

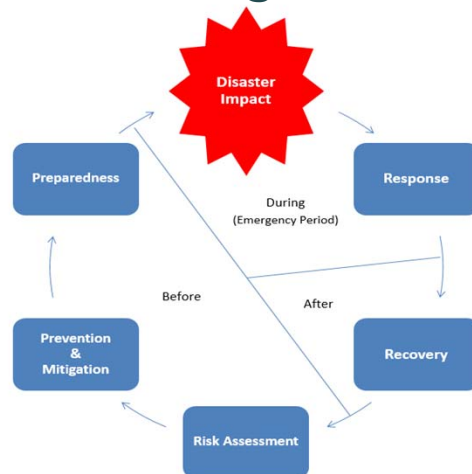
Example use: Post disaster assessment

- Pilot: Bangkok and surrounding areas; built up areas combined with census data in high resolution grid



Src.: Pilot results, calculated by ESCAP based on Global Urban Footprint (DLR), CCI Land Cover (ESA), and Census(Thai NSO)

Disaster Risk Management Cycle



Src.: adapted from Thailand Dept. of Disaster Preparedness Management (DDPM)

What's next

Activities

- Review and endorsement of the DRSF by governments
- Continuation of technical work

Mechanisms

- UN Statistical Commission
- ESCAP Committees on Statistics and DRR
- The Expert Group
- Global Partnership on Disaster-related Statistics



Statistics Division
<http://www.unescap.org/en/work/statistics>

A photograph of a young girl with dark hair, looking directly at the camera. She is wearing a vibrant, multi-colored shawl (yellow, green, and red) over a patterned dress. She stands in front of a large pile of rubble and debris, suggesting a disaster-stricken area. The background is out of focus, showing more rubble and a clear sky.

Thank You

Image src: Yavuz Sariyildiz/shutterstock



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